

(No Model.)

2 Sheets—Sheet 1.

E. F. GENNERT.
GLOBE AND SHADE HOLDER

No. 301,112.

Patented July 1, 1884.

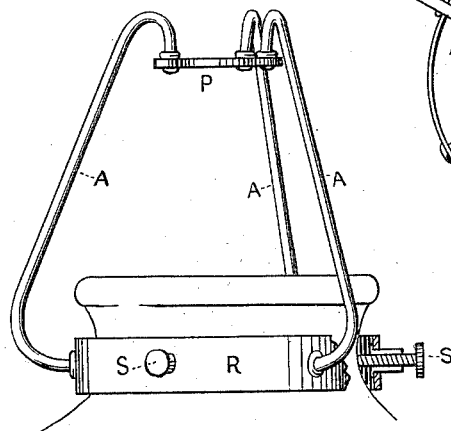


FIG. 1

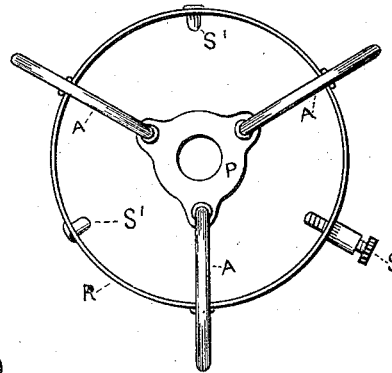


FIG. 2

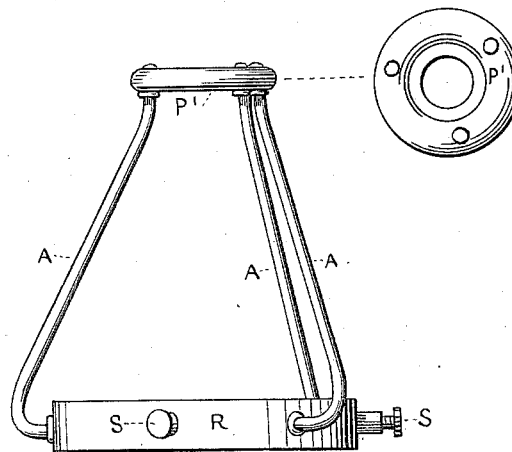


FIG. 3

WITNESSES:

W. C. Gleason
W. J. Lanning

INVENTOR:

Emile F. Gennert

(No Model.)

2 Sheets—Sheet 2.

E. F. GENNERT.
GLOBE AND SHADE HOLDER

No. 301,112.

Patented July 1, 1884.

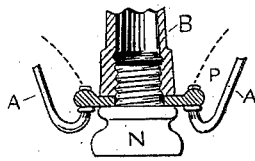
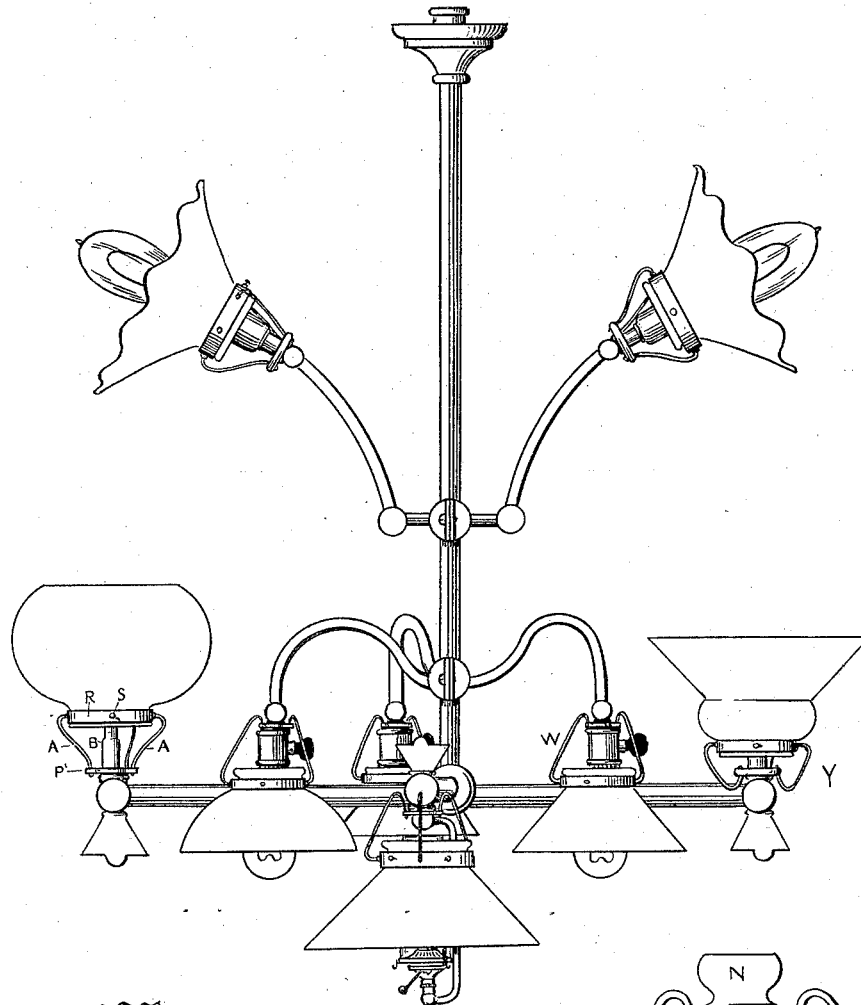


FIG. 5.

FIG. 4.

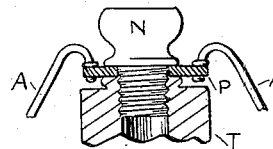


FIG. 6.

WITNESSES:

W. H. Mason

W. J. Lanning

INVENTOR:

Emile F. Gennert

UNITED STATES PATENT OFFICE.

EMILE F. GENNERT, OF BROOKLYN, ASSIGNOR TO THE E. P. GLEASON
MANUFACTURING COMPANY, OF NEW YORK, N. Y.

GLOBE AND SHADE HOLDER.

SPECIFICATION forming part of Letters Patent No. 301,112, dated July 1, 1884.

Application filed January 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, EMILE F. GENNERT, a citizen of the United States, residing at Brooklyn, in the county of Kings, State of New York, have invented a new and useful Globe and Shade Holder for Gas or Incandescent Electric Burners, the object being to make a cheap, neat, and effective holder, into which a globe or shade may be secured and suspended or held in any desired position with safety.

The holder consists of a plate or common burner center, a ring through which flange of globe or shade passes, and two or more arms connecting the two parts.

Figure 1 is a side elevation of my improved holder, showing part of ring in section, so as to fully illustrate method of securing shade. Fig. 2 is a top view of same with shade removed. Fig. 3 is a side elevation of a modification embracing the same improvement. Fig. 4 is an elevation of a three-armed gas-fixture with two electrolier attachments on the pendent body. On the nozzles of all of the arms my improved globe and shade holder is placed, showing its operation. Fig. 5 is a vertical section of my improved holder, showing in detail how it is attached to a fixture when in an upright position. (See Y of Fig. 4.) Dotted lines show other forms of arms, as in Fig. 3. Fig. 6 is a vertical section of the same when inverted for suspending shade. (See W of Fig. 4.)

Similar letters of reference refer to similar parts.

Plate P is the ordinary burner plate or center, provided with a central opening for the passage of the burner-nipple N, and two or more ears with holes, into which arms A are riveted or secured. The arms are made of wire of the required strength, and bent at plate into either of the forms shown. Where the arms connect with ring R they should be bent at right angles to the ring. Ring R is provided with the same number of holes as the plate or center. The arms are passed into the hole in the ring and riveted or secured to it in any desired way. I prefer to put a shoulder on the arms and rivet them into both plate and ring, in which case the heat gener-

ated by the burner has no effect upon the joints.

For retaining the globe or shade in place, I employ a screw, S, and studs S', or several screws instead, which set in small bushings or sockets on the periphery of the ring, in the usual manner. When a ring-center is used, P', of course the ears of the plate P are dispensed with. This mode is resorted to so as to acquire strength when a heavy shade is to be held.

Ring R, I prefer to make of regular brass tubing, because the drawing-dies give that as well as the wire for arms a smooth surface, easily polished, if so desired.

The holder, when completed, is attached to the fixture by slipping plate P over burner-nipple N. Then, by screwing on a burner, B, or socket T, as the case may be, the holder is held in place.

I am aware that holders have been made wherein the arms and center were formed of one piece and either cast or cut out of sheet metal and afterward brazed or soldered to a ring. This is an expensive operation, for if made of casting it must be filed and finished; otherwise it would present a very rough appearance, and really unfit for use with fine fixtures. If made of sheet metal, the scrap, owing to the wide-spreading arms, amounts to much more in weight than that metal actually used for making the arms and body. If made in either way, there is no simple way of securing the arms to the ring, except by brazing, which softens metal, or by soldering, which is liable to be loosened by heat, or by drilling or punching and riveting, in which latter case the cost of the rivets will be an expense not incurred by me in the making of my improved holder, wherein I use the arms for rivets, as shown. Globe-holders for gas-fixtures have been made wherein a ring, wire arms, and plate or center were used. In these, however, the ring was formed by dies, spinning, or otherwise, so as to have a gallery inside, upon which the globe rests, in addition to the upward and outward curved flange, with screws for keeping globe in position on the gallery. The use of a gallery in my improved holder would be detrimental to the ob-

jects to be attained, as it prevents the passage of a shade through the ring.

Having fully described my improvement, what I claim, and desire to secure by Letters
5 Patent of the United States, is—

A shade or globe holder consisting of the center or plate P or P', adapted to be secured to the fixture, the wire arms A, and the ring

R, having devices for securing the shade or globe in any desired position by the neck or 10 flange, substantially as shown and described.

EMILE F. GENNERT.

Witnesses:

W. C. GLEASON,

W. J. LANNING.